STANDARD CHLORINE CEMICAL CO. INC. SUPERFUND SITE
MONTHLY PROGRESS REPORT
APRIL 2013

I. Actions Completed During the Reporting Period (April 2013)

The Remedial Investigation/Focused Feasibility Study (RI/FFS) Work Plan was submitted to the United States Environmental Protection Agency (USEPA) and the New Jersey Department of Environmental Protections (NJDEP).

The 2012 Wetland Mitigation Monitoring Report was submitted to the USEPA.

A report summarizing the Post-Hurricane Sandy Storm Damage Response for the Site was submitted to the USEPA on behalf of the Cooperating Parties Group (Group).

II. Results of Sampling and Tests and Data Received by Respondents

None for this Reporting Period.

III. Work Planned for the Next Two Months (May and June 2013)

The RI/FFS Work Plan will be revised as necessary to address any comments received from the USEPA and the NJDEP and resubmitted to the agencies for review and approval.

A meeting at the Site among the Group, USEPA and NJDEP may be held in June 2013.

IV. Problems Encountered/Anticipated Delays

None for this Reporting Period.

V. Operations and Maintenance Information

Routine operations and maintenance activities were completed. A summary of operations and maintenance activities for the first quarter of 2013 is provided as Appendix A to this report.

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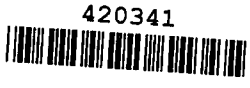

APPENDIX A

OPERATIONS AND MAINTENANCE INFORMATION

1.0 DESCRIPTION OF ACTIVITIES COMPLETED

1.1 HYDRAULIC CONTROL TREATMENT SYSTEM (HCTS)

- Continued routine HCTS operation, monitoring, inspection and reporting efforts:
  - Average monthly flow for January, February and March 2013 was 13.3gpm, 13.3gpm and 23.0gpm, respectively.
  - Total Volume of water treated this reporting period 2,122,371 gal
  - Monthly NJPDES sample collection pursuant to NJ Permit No. NJ0155438: There were no exceedences of permit monitored constituents noted during this period.
  - Hydraulic Control Wells (HCW) are operating with the exception of HCWU-4, 14, 17 and 19, which show voltage drop at well field control panels. Troubleshooting to be conducted once ongoing dewatering of pull boxes is complete.
  - DNAPL recovery efforts have been conducted since system startup in January 2012. However, groundwater recovery pumps installed in DNAPL Recovery Wells (DRW) are not operational. All DRW wells must be inspected and evaluated for post storm condition and subsequent startup once ongoing dewatering of pull boxes is complete.
  - Piezometer gauging data collected during the reporting period is provided in Table 1. Water level data trends are favorable and indicate progress to achieving sustained inward gradient. A graph showing historical groundwater gradient data is provided as Figure 1 of this submittal.

1.2 DNAPL RECOVERY

- DNAPL recovery efforts for the first quarter of 2013 yielded 422gal of DNAPL from DRWL-9 and DRWL-11 combined. Total DNAPL recovery to date is provided in the summary table below.

Well ID	Total 2012 DNAPL Recovery (gal)	January 2013 DNAPL Recovery (gal)	February 2013 DNAPL Recovery (gal)	March 2013 DNAPL Recovery (gal)	Total DNAPL Recovered (gal)
DRWL-9	584	NR	72	NR	656
DRWL-11	1,396	98	117	135	1,746
DRWL-5	213	NR	NR	NR	213
DRWL-7	50	NR	NR	NR	50
DRWL-1	136	NR	NR	NR	136

- DNAPL Recovery Well Gauging data for this period is provided in Table 2.

1.3 Non-HCTS POST CONSTRUCTION

- Continued post-contruction and New Jersey Meadowlands Commission inspections.
- Minor issues noted in the above inspections have either been addressed or are scheduled to be addressed.

1.4 ADDITIONAL COMPLETED EFFORTS

- Submittal of Waste Management Summary Report for 2012 and early part of 2013 was submitted to EPA on March 25, 2013.
- CERCLA Off-site Notifications for waste projected to be generated from routine HCTS operations in 2013 submitted to EPA on March 25, 2013.
- Disposal of damaged historical site files previously housed onsite in conex boxes was completed during the week of March 18, 2013 in accordance with authorization received from EPA (Mr. Frances Zizila – EPA Region II Assistant Regional Counsel), via email on February 14, 2013.
- Post-hurricane cathodic protection system electrical component evaluation (completed February 20, 2013).
- Initiation of T-PH-01 flash mix pilot test for the purpose of improving efficieny of system operations (initiated February 18, 2013).

2.0 PROJECTED and ONGOING ACTIVITIES – 2nd QUARTER 2013

2.1 HCTS RELATED EFFORTS

- Continued routine HCTS operations, monitoring and maintenance.
- Proposed additional bioassay testing method (completed the week of April 30, 2013).
- Continued evaluation of T-PH-01 flash mix pilot testing for the purpose of improving efficieny of system operations.
- Continued dewatering of electrical pull boxes to assess and repair electrical runs from HCTS building to individual HC and DR well control panels.

2.2 Non-HCTS RELATED EFFORTS

- Continued post-contruction and New Jersey Meadowlands Commission inspections.
- Submittal of Hurricane Sandy Storm Damage Report to EPA (submitted May 1, 2013).

- Submittal of 2012 Fresh Water Wetlands Mitigation Area Report (submitted April 30, 2013) and corrective actions to eradicate invasive species noted during Annual wetlands inspection conducted in 2012 (initiated during the week of May 13, 2013).

- Cathodic protection system installation completion, troubleshooting and start-up.

- SCCC Consolidation Area rill erosion repairs and reseeding (completed the week of May 13, 2013).

- SCCC working platform minor erosion feature repair and reseeding (completed the week of May 13, 2013).

- SCCC IRM Cover (asphalt and former building concrete footers) vegetation removal and crack sealing (initiated the week of May 13, 2013).

TABLES

Table 1

Standard Chlorine Chemical Company
1st Quarter 2013 Progress Report

Piezometer Gauging Data Summary

Well ID	Jan-13		Feb-13		Mar-13	
	Depth to Water (ft-TOC)	Total Depth (ft- TOC)	Depth to Water (ft-TOC)	Total Depth (ft- TOC)	Depth to Water (ft-TOC)	Total Depth (ft- TOC)
HC-PZ-1U	6.68	16.68	6.39	16.68	5.94	16.68
HC-PZ-2U	6.70	16.03	6.29	16.03	6.20	16.04
HC-PZ-3U	4.93	15.03	4.91	15.03	5.57	15.03
HC-PZ-4U	3.70	14.60	3.19	14.60	3.36	14.60
HC-PZ-6U	1.53	9.37	1.09	9.37	1.19	9.37
HC-PZ-7U	0.77	8.86	0.35	8.86	0.61	8.86
HC-PZ-8U	3.04	11.84	2.65	11.84	2.70	11.84
HC-PZ-9U	3.41	12.22	2.79	12.22	2.54	12.22
HC-PZ-10U	3.21	9.45	3.22	9.45	3.87	9.45
HC-PZ-11U	4.82	9.73	4.72	9.73	4.64	9.73
HC-PZ-12U	2.03	8.38	1.94	8.38	2.71	8.38
HC-PZ-13U	2.18	8.33	2.10	8.33	2.15	8.33
HC-PZ-14U	2.18	9.99	2.06	9.99	2.09	9.99
HC-PZ-15U	5.22	11.67	5.01	11.67	5.08	11.68
HC-PZ-1L	7.53	25.06	7.47	25.06	7.66	25.07
HC-PZ-2L	8.74	25.14	9.18	25.14	8.98	25.14
HC-PZ-3L	6.03	23.48	6.01	23.48	6.02	23.48
HC-PZ-4L	6.57	20.50	6.21	20.50	6.34	20.50
HC-PZ-6L	3.50	16.83	3.68	16.83	3.04	16.83
HC-PZ-7L	0.88	16.94	1.06	16.94	0.90	16.94
HC-PZ-8L	3.65	21.46	3.50	21.46	3.56	21.47
HC-PZ-9L	4.05	20.93	3.35	20.93	3.49	20.94
HC-PZ-10L	2.63	18.70	2.71	18.70	2.52	18.70
HC-PZ-11L	5.06	19.09	5.02	19.09	4.94	19.11
HC-PZ-12L	1.45	15.71	1.45	15.71	1.76	15.71
HC-PZ-13L	2.69	16.19	2.72	16.19	2.62	16.19
HZ-PZ-14L	2.60	18.81	2.56	18.81	2.70	18.81
SC-MW-16L	4.80	19.76	4.59	19.76	4.86	19.76

Table 2

Standard Chlorine Chemical Company
1st Quarter 2013 Progress Report
DNAPL Well Gauging Data

Recovery Well ID	Jan-13			Feb-13			Mar-13		
	Depth to Water (ft TOC)	Depth to Product (ft TOC)	Total Depth (ft TOC)	Depth to Water (ft TOC)	Depth to Product (ft TOC)	Total Depth (ft TOC)	Depth to Water (ft TOC)	Depth to Product (ft TOC)	Total Depth (ft TOC)
DRWU-1	1.10	NP	10.60	0.92	NP	10.60	0.70	NP	10.60
DRWU-2	1.56	NP	10.73	1.40	NP	10.73	1.05	NP	10.73
DRWU-3	11.78	22.58	22.58	11.68	22.58	22.58	11.53	22.58	22.58
DRWU-4	0.80	NP	12.06	0.38	NP	12.06	0.00	NP	12.06
DRWU-5	-0.95	NP	8.84	-1.05	NP	8.84	-1.20	NP	8.84
DRWL-1	3.26	29.45	31.89	2.95	29.10	31.89	2.81	28.80	31.89
DRWL-2	-0.54	27.00	27.00	-0.50	27.00	27.00	-0.55	27.00	27.00
DRWL-3	0.00	NP	28.83	-0.16	NP	28.83	-0.63	NP	28.83
DRWL-4	1.84	30.29	30.50	1.65	30.28	30.51	1.57	30.07	30.51
DRWL-5	1.39	27.49	29.80	0.00	27.40	29.80	-0.38	27.60	29.80
DRWL-6	13.35	NP	40.80	13.09	NP	40.80	12.95	NP	40.80
DRWL-7	-0.96	27.15	27.16	-1.01	27.14	27.16	-1.27	27.13	27.16
DRWL-8	-0.62	NP	28.90	-0.73	NP	28.90	-0.87	NP	28.90
DRWL-9	0.75	26.33	28.40	0.62	22.02	28.40	0.02	26.02	28.40
DRWL-10	3.04	28.20	30.60	2.89	27.06	30.60	3.01	26.39	30.60
DRWL-11	5.50	24.00	33.16	5.39	21.49	33.16	5.40	21.47	33.16

Notes:

"-" indicates measurement of water level in well vault above recovery well TOC
NP indicates no DNAPL encountered during gauging efforts

FIGURES

Figure 1

Standard Chlorine Chemical Company
1st Quarter 2013 Progress Report
Site Groundwater Gradient